

**WHAT IS CLAIMED IS:**

1. A method for treating a mucus secretion of a  
5 patient, the method comprising the step of  
administering to a patient an effective amount of a  
botulinum toxin in order to reduce a mucus secretion of  
the patient, wherein the mucus secretion is not a  
symptom of rhinorrhea.

10 2. The method of claim 1, wherein the mucus  
secretion is a cholinergic influenced mucus secretion.

15 3. The method of claim 1, wherein the botulinum  
toxin is botulinum toxin type A.

20 4. The method of claim 1, wherein the botulinum  
toxin is selected from the group consisting of  
botulinum toxin types A, B, C, D, E, F and G.

25 5. The method of claim 1, wherein the botulinum  
toxin is administered in an amount of between 0.01  
units and 5000 units.

30 6. The method of claim 1, wherein the botulinum  
toxin is administered in an amount of between 0.01 unit  
and 500 units.

35 7. A method for treating a cholinergic influenced  
mucus secretion of a human patient, the method  
comprising the step of administering to a human patient  
a therapeutically effective amount of botulinum toxin  
type A in order to reduce the mucus secretion, wherein  
the mucus secretion is not a symptom of rhinorrhea.

8. A method for treating a mucus secreting gland, the method comprising the step of administering to a mucus secreting gland a botulinum toxin thereby reducing a mucus secretory activity of the gland, wherein the mucus secretion is not a symptom of rhinorrhea.

9. The method of claim 8, wherein the gland is an excessively secreting mucus gland.

10. The method of claim 8, wherein the mucus gland is influenced by the cholinergic nervous system.

11. The method of claim 8, wherein the botulinum toxin is administered by injection into the mucus gland or into the local area of the mucus gland.

12. The method of claim 8, wherein the botulinum toxin is botulinum toxin type A.

13. The method of claim 8, wherein the botulinum toxin is selected from the group consisting of botulinum toxin types A, B, C, D, E, F and G.

14. The method of claim 8, wherein the botulinum toxin is administered in an amount of between 0.01 units and 5000 units.

15. The method of claim 8, wherein the botulinum toxin is administered in an amount of between 0.01 units and 500 units.

16. A method for treating an excessively secreting mucus gland, the method comprising the step of injecting an excessively secreting, cholinergic

nervous system influenced mucus gland or local mucus gland area of a human patient with a therapeutically effective amount of botulinum toxin type A in order to reduce the excessive mucus gland secretion, wherein the  
5 mucus secretion is not a symptom of rhinorrhea.

RECEIVED - 2004